

Curriculum Vitae

Personal data

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Date of birth: 28.01. 1964 (Imatra, Finland)
Nationality: Finnish
Sex: Male

CURRENT POSITION

Senior lecturer, Division of Pharmacology and Pharmacotherapy, Faculty of Pharmacy, University of Helsinki 1.11. 2003 -

EDUCATION:

Adjunct professor (Title of Docent) in Pharmacology, University of Helsinki	17.6. 2002
Ph.D. (Pharm.), University of Helsinki	11.6.1999
Lic. Pharm., University of Helsinki	18.9. 1998
M.Sc. (Pharm.), University of Helsinki	24.4. 1992
Matriculation examination, Munkkiniemen yhteiskoulu	31.5.1983

POSITIONS

Division of Pharmacology and Toxicology, Faculty of Pharmacy, University of Helsinki

- Researcher, substitute assistant 31.1. 1991 – 31.1. 1996
- Assistant 1.2. 1996 – 31.12. 2000
- Acting professor in pharmacology 1.11. 2003 – 28.2. 2005
- Senior lecturer 1.3. 2005 –

Viikki Drug Discovery Technology Center, Helsinki, Finland

- Senior researcher 1.1. 2001 – 31.10.2003

SCIENTIFIC HONOURS AND PRIZES

- The prize for the best abstract of young scientist by the Nordic Society for the Study of Pain, 1992
- *Master Thesis* –prize by the Faculty of Science, University of Helsinki 1992
- The Orion Pharma Recognition Prize 2008

GRANTS

As a member of the group:

The Finnish Foundation for Alcohol Studies	62 262 €	1995
The Finnish Foundation for Alcohol Studies	8 000 €	1998
Sigrid Juselius Foundation	56 280 €	2000
The Finnish Foundation for Alcohol Studies	6 085 €	2000
Centre for International Mobility	8 040 €	2000
Centre for International Mobility	10 850 €	2000
Finnish Cultural Foundation	13 400 €	2001
Centre for International Mobility	10 000 €	2003
The Finnish Foundation for Alcohol Studies	24 600 €	2003
The Finnish Foundation for Alcohol Studies	27 100 €	2004
The Finnish Foundation for Alcohol Studies	21 000 €	2005
The Finnish Foundation for Alcohol Studies	16 000 €	2006
The Finnish Foundation for Alcohol Studies	43 000 €	2013
The Finnish Foundation for Alcohol Studies	40 750 €	2013
The Finnish Foundation for Alcohol Studies	34 778 €	2014
The Finnish Foundation for Alcohol Studies	39 028 €	2015

As a Principal Investigator

The Päivikki and Sakari Sohlbergin Foundation	70 000 €	2006
The Päivikki and Sakari Sohlbergin Foundation	97 000 €	2009
The Finnish Foundation for Alcohol Studies	21 000 €	2011
The Finnish Foundation for Alcohol Studies	32 600 €	2012

DUTIES AS SCIENTIFIC EXPERT

Examinations of doctoral theses:

- MD Nora Hagelberg (University of Turku): Role of dopamine receptors in pain and opioid effects. Positron emission tomography studies in healthy subjects and patients with chronic orofacial pain, 2004.
- MD Saku Sinkkonen (University of Turku/University of Helsinki): Imaging and properties of extrasynaptic GABAA-receptors, 2004.
- MD Hannele Hasala (University of Tampere) Role of Histamine in the Regulation of Human Eosinophil Apoptosis with Special Reference to Antihistamines and the Role of c-Jun N-terminal Kinase in Human Eosinophil Apoptosis, 2006.
- M.Sc. Pia Bäckström (University of Helsinki) Glutamatergic modulation of cue-induced drug-seeking behavior in the rat, 2006.
- MD Antti Väänänen (University of Helsinki) Studies on the Pro-Oxidative Properties and

- Neurotoxic Potential of Angeli's Salt -Derived Nitroxyl (HNO/NO-), 2006.
- M.D. Kim Lemberg (University of Helsinki) The Pharmacology of Oxycodone - Studies *In Vitro*, *In Vivo* and in Humans, 2008.
- M.Sc. Sanna Kailanto (University of Helsinki) Interactions of nandrolone and psychostimulant drugs on central monoaminergic systems, 2010.
- M.Sc. Pinja Ilmarinen (University of Tampere) Eosinophil as a Target for Pathophysiological Factors and Pharmacological Compounds. 2012.
- M.Sc. Heramb Chadchankar (University of Eastern Finland) Role of α -syn in the striatal dopaminergic system. 2012.
- M.Sc. Tuija Hömmö (University of Tampere) Mitogen-activated protein kinase phosphatases in inflammation and as anti-inflammatory drug targets. 2014.
- M.D. Juha Lempiäinen (University of Helsinki) Ischaemia-Reperfusion-Induced Kidney Injury - Experimental studies on the effects of caloric restriction, AMPK activator AICAR and α 2-adrenoceptor agonists in the rat. 2014.

Opponent on doctoral theses

- MD Kimmo Ingman (University of Turku) Pharmacological modulation of the alcohol drinking of AA rats, an animal model of high-alcohol drinking. 2007.
- Ph.D. Teemu Aitta-Aho (University of Helsinki) AMPA-type glutamate receptors and behavioural neuroplasticity - Bidirectional role of GluA1 subunits. 2012.
- Ph.D. Laura Vähätalo (University of Turku). Natural born weight gainers: The mechanisms of obesity in transgenic mice overexpressing neuropeptide Y. 2015.

Reviewer in docentships (applications of adjunct professorships)

- Ph.D. Kirsi Vaali (University of Helsinki), 2010.
- Ph.D. Riina Nieminen (University of Tampere), 2010.
- Ph.D. Markus Storvik (University of Eastern Finland), 2011

SUPERVISION OF DOCTORAL THESIS

As co-supervisor:

- Ph.D. Janne Mikkola (2001)
- Mikko Airavaara (2006)

As principal supervisor:

- Ph.D. Kristiina Marttila (2009)
- Ph.D. Jelena Mijatovic (2009)
- Current: M.Sc. Jaakko Kopra, M.Sc. Johanna Uhari-Väänänen, M.Sc. Ville Oinio

SCIENTIFIC POSITIONS OF TRUST

- Secretary of the Finnish Pharmacological Society, 17. 3. 2000 – 19.3.2004
- Chairman of the symposium “Brain Dopamine as Source for Drug Discovery” at XVI Helsinki University Congress of Drug Research 7. -8. 6., 2001.
- Member of the local organizing committee, 32nd meeting of the International Narcotic Research Conference (INRC), Helsinki, 14. - 19. 7. 2001.
- Chairman of the XVII Helsinki University Congress of Drug Research, 5. –6. 6. 2003.
- Member of the Board of the Finnish Pharmacological Society 2007-
- Vice President of the (Finnish) Foundation for Pharmaceutical Research 2007-13
- Vice chair of the Helsinki section of the Finnish National Animal Experiment Board 2011-
- Member of the Viikki Campus Board on Research Ethics of the University of Helsinki 2011 -

MEMBERSHIPS IN SCIENTIFIC ORGANIZATIONS

- Society for Neuroscience
- International Narcotics Research Conference
- Finnish Pharmacological Society
- Finnish Pharmaceutical Society
- Scandinavian College of Neuropsychopharmacology

PUBLICATIONS

- 52 refereed journal articles
- 5 articles in conference publications
- 7 contributions to books
- 4 articles in professional journal
- 3 contributions to a professional handbook
- Article-based doctoral dissertation
- H-index 20

PEDAGOGICAL TRAINING

- Course of Didactic planning of a computer aided teaching program (4 cu)
University of Helsinki, Personnel training unit 29. – 31.8. 1994.
- Course of How to teach in network (4 cu)
Viikki Educational Development Service, University of Helsinki 31.8. – 1.12. 2004
- Pedagogy for Pharmacy teachers and researchers (5 cu)
Faculty of Pharmacy, University of Helsinki 29.2. – 8.4. 2008

ON-GOING PROJECTS

- Role of GDNF in the regulation of midbrain dopaminergic neurons – Studies in novel animal models (Prof. Mart Saarma and Ph.D. Jaan-Olle Andressoo, Institute of Biotechnology, University of Helsinki)
- Monoamine metabolism in the brains of tail-biting pigs (Prof. Anna Valros, Faculty of Veterinary Medicine, University of Helsinki)
- Nerve growth factors in drosophila melanogaster (Doc. Tapio Heino, prof. Mart Saarma, Institute of Biotechnology, University of Helsinki)
- Fibroblast growth factors (FGFs) and nigrostriatal dopamine (prof. Juha Partanen Institute of Biotechnology, University of Helsinki)
- The role of opioid receptors in the development of alcohol addiction – Effects of increased or decreased opioid receptor expression on the alcohol drinking (Prof. Kalervo Kiianmaa, The National Institute for Health and Welfare)
- Neuronal mechanism of gambling and probabilistic discounting in alcohol preferring AA rats (Prof. Kalervo Kiianmaa, The National Institute for Health and Welfare, prof. Atso Raasmaja, Faculty of Pharmacy, University of Helsinki.
- Role of syndecan in neuro-immune interaction in brain and immune diseases (Doc. Tian Li, Neuroscience Center, University of Helsinki).